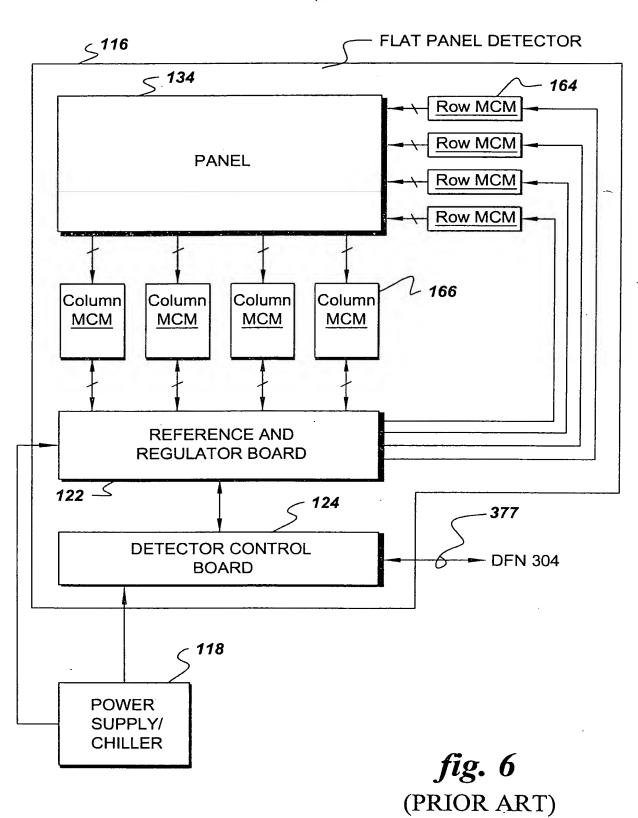
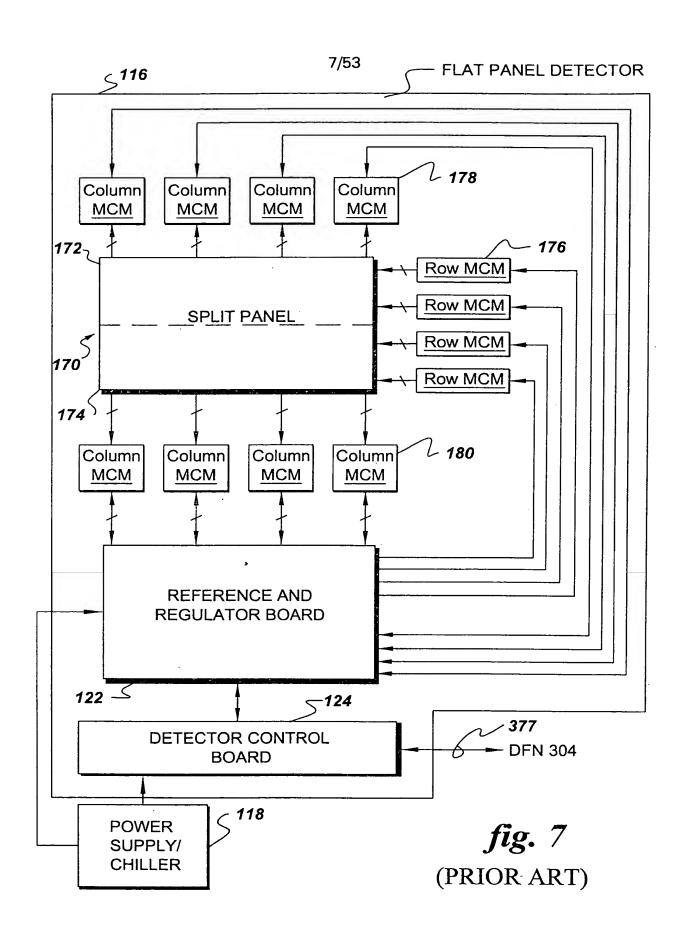
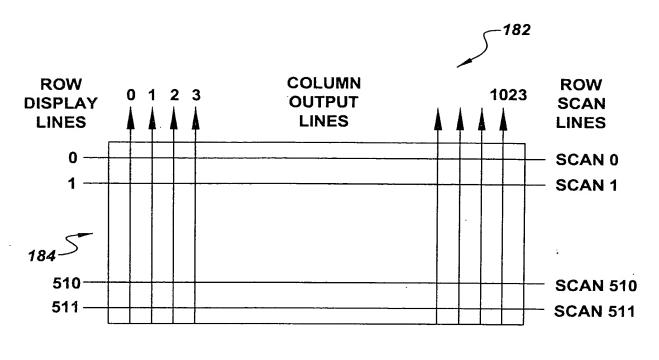
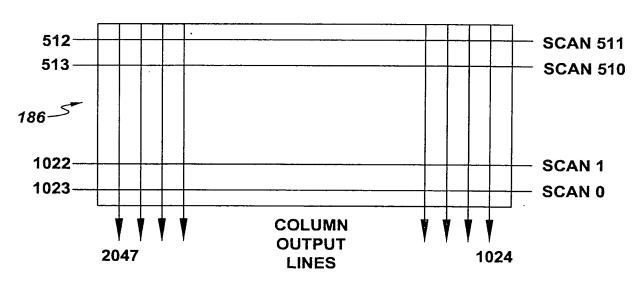


fig. 5 (Prior Art)









CARDIAC/SURGICAL DIGITAL X-RAY PANEL

fig. 8
(PRIOR ART)

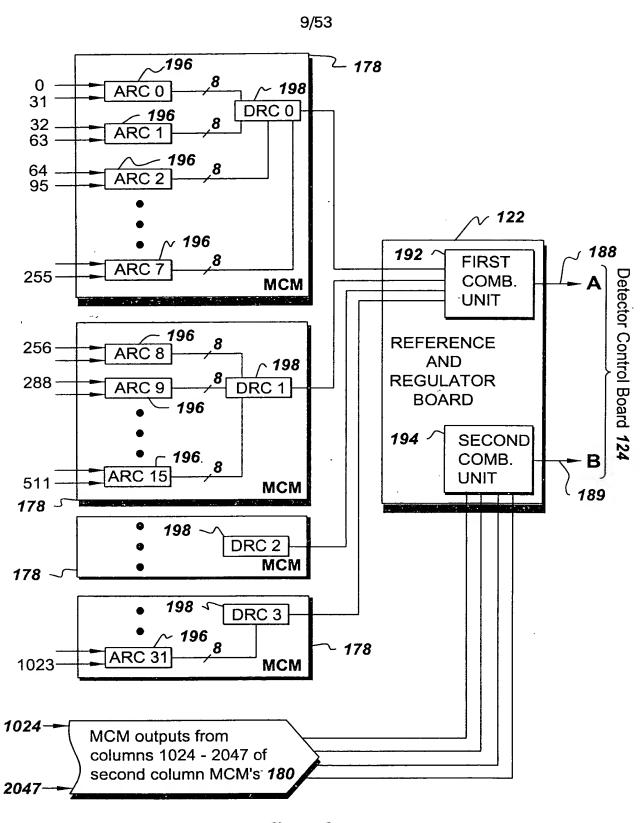
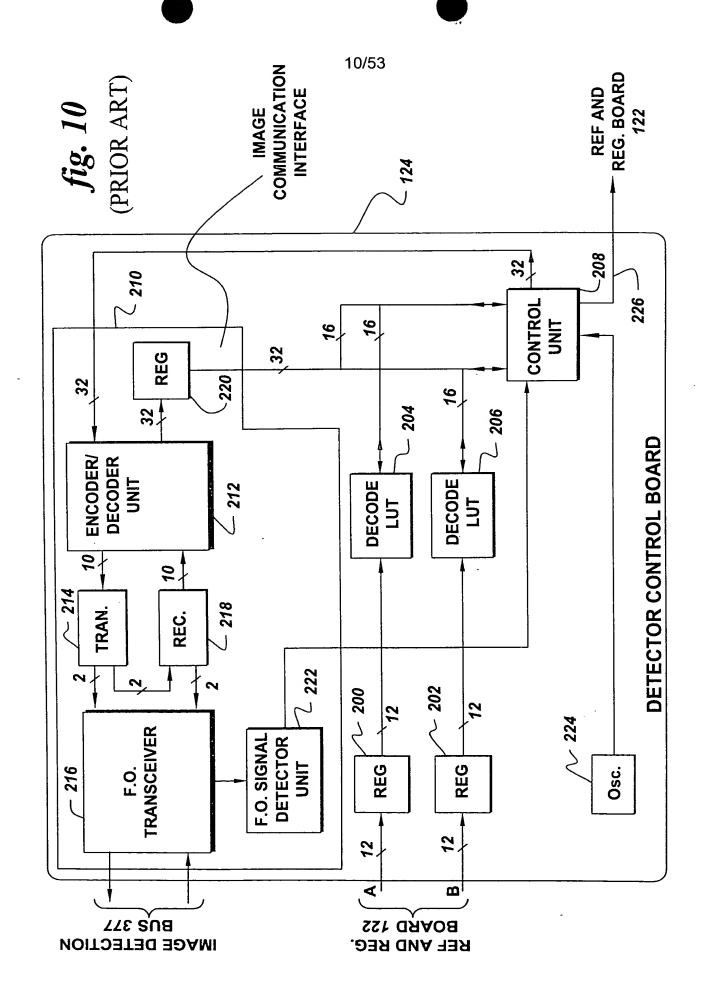
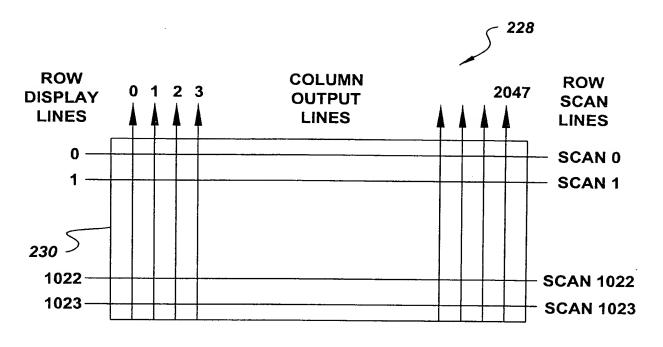
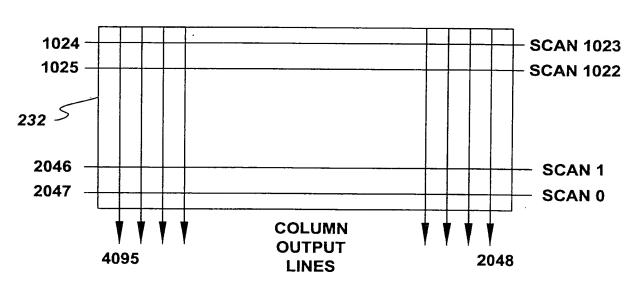


fig. 9 (PRIOR ART)



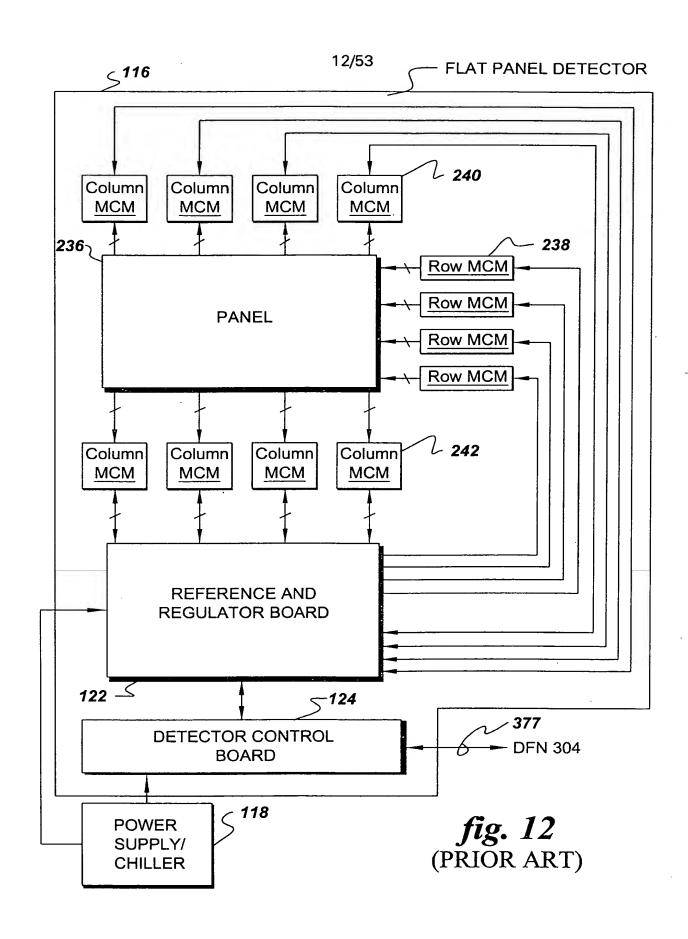




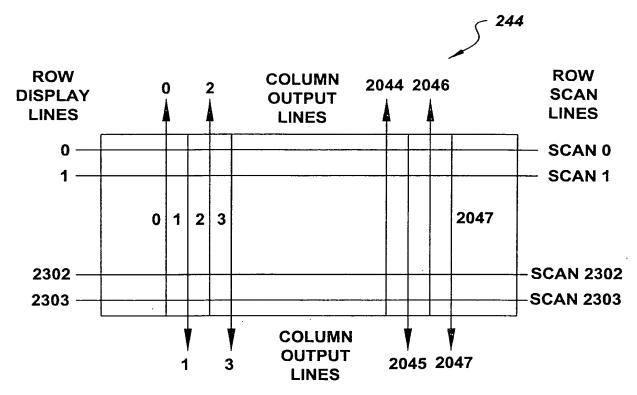


RADIOGRAPHY DIGITAL X-RAY PANEL

fig. 11 (PRIOR ART)

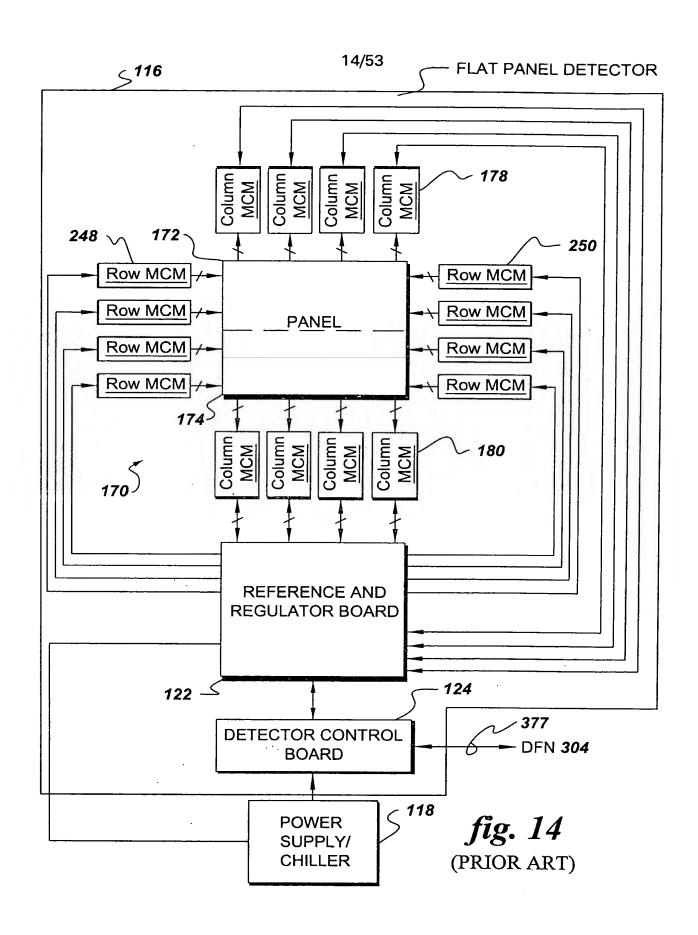


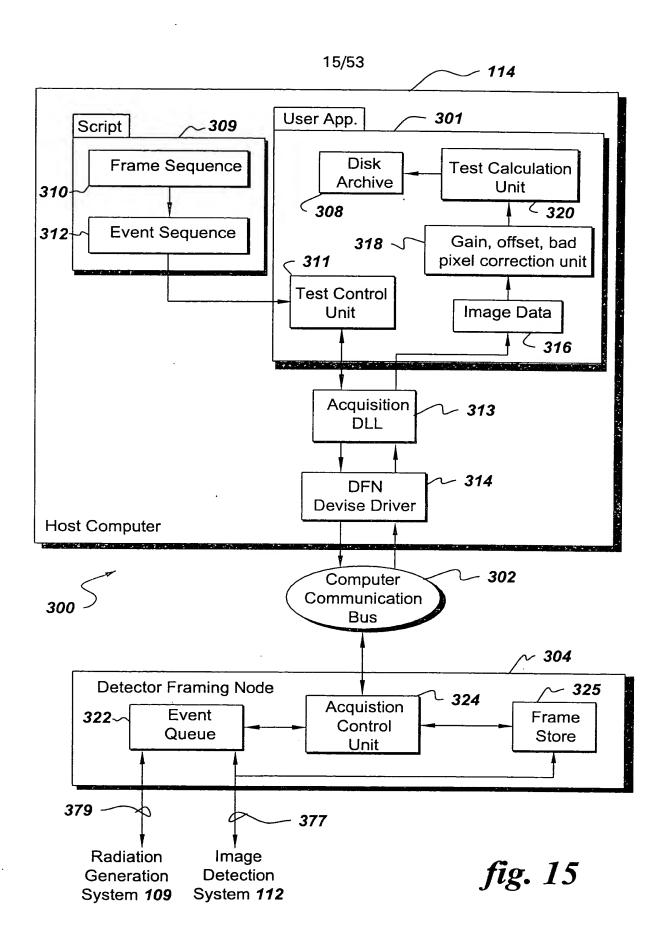
13/53

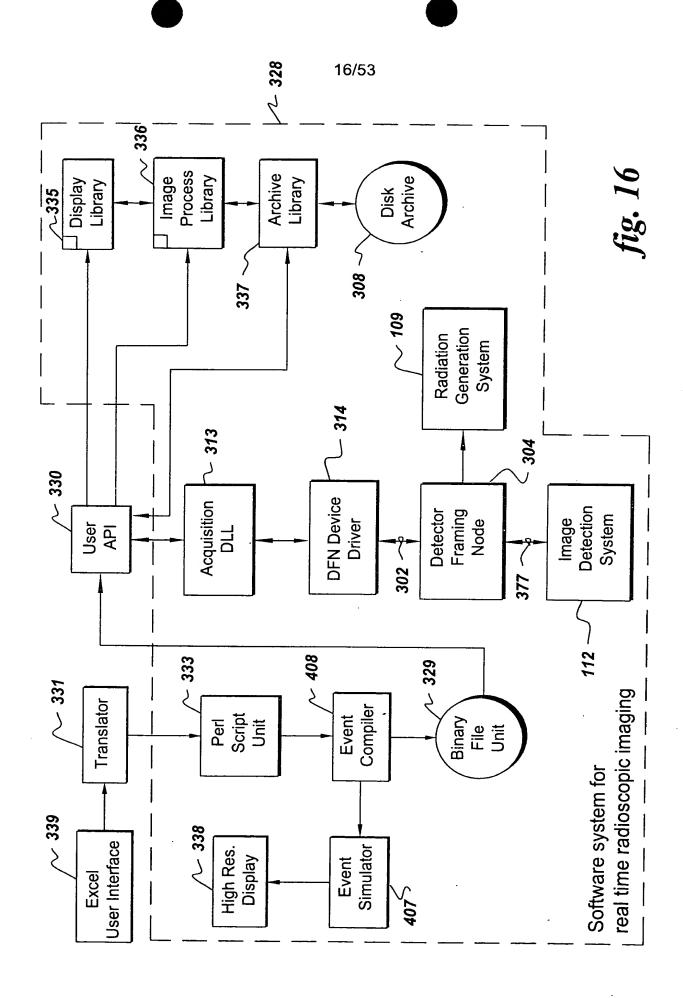


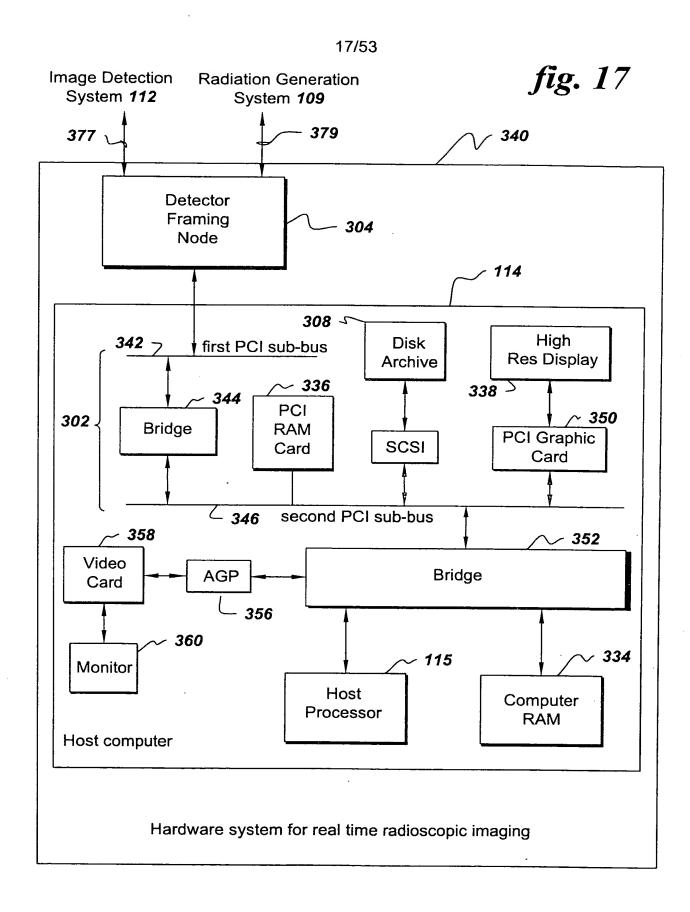
MAMMOGRAPHY DIGITAL X-RAY PANEL

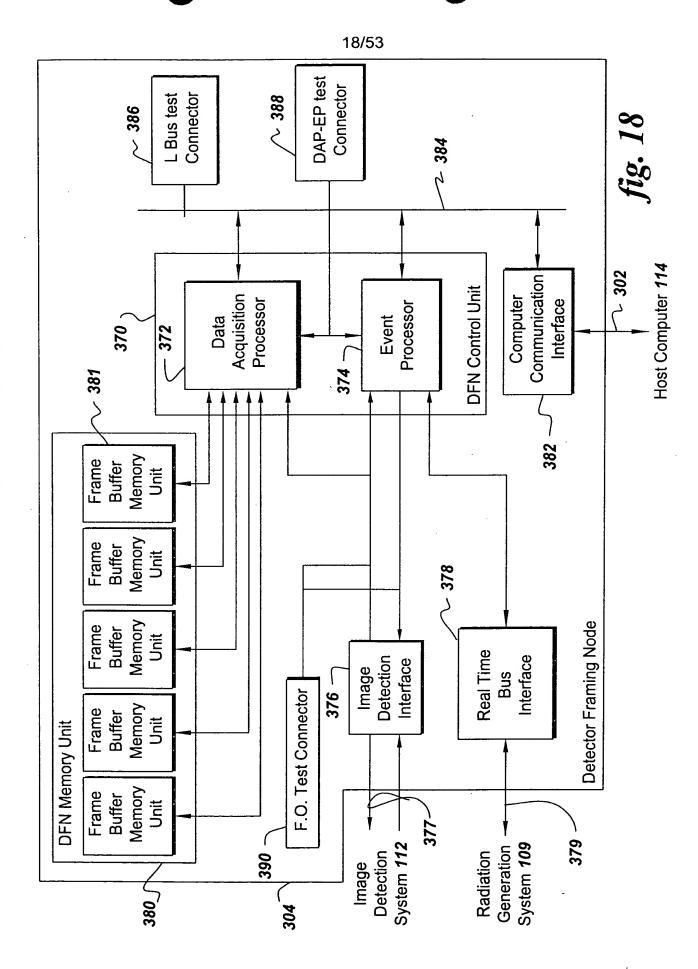
fig. 13 (PRIOR ART)











t gbr	>- •	> 6
offse	none y y	none y
memory offset	host "	host = =
latency	<5 frames Delay ~.1 sec Delay ~.2 sec	<5 frames <5 frames <5 frames
length	unlimited -	unlimited unlimited unlimited
(fm/sec) length	30	я. ү. ү. Ү.
	Real Time Post Process Post Process	Real Time Real Time Real Time
	Panel Setup Single Frame Single Frame	Real Time Real Time Real Time

Frames Stored host memory	200 50 44
image size	1024 X 1024 2048 X 2048 2304 X 2048
Modality	Cardiac Rad Mammo

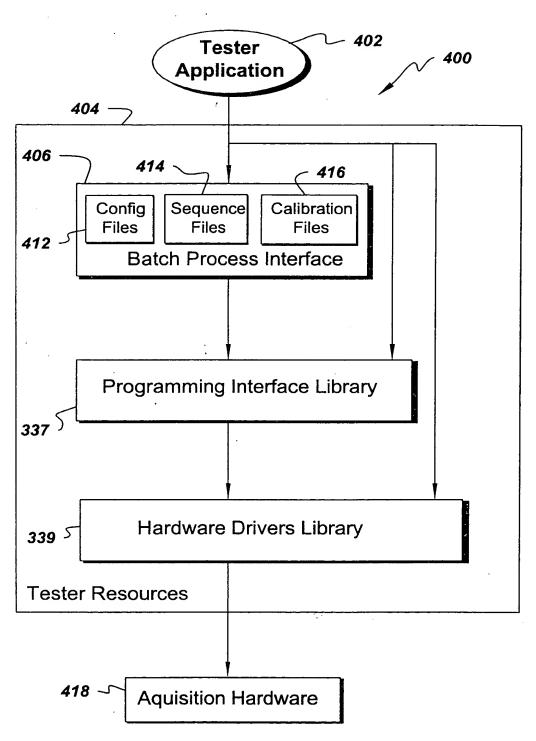
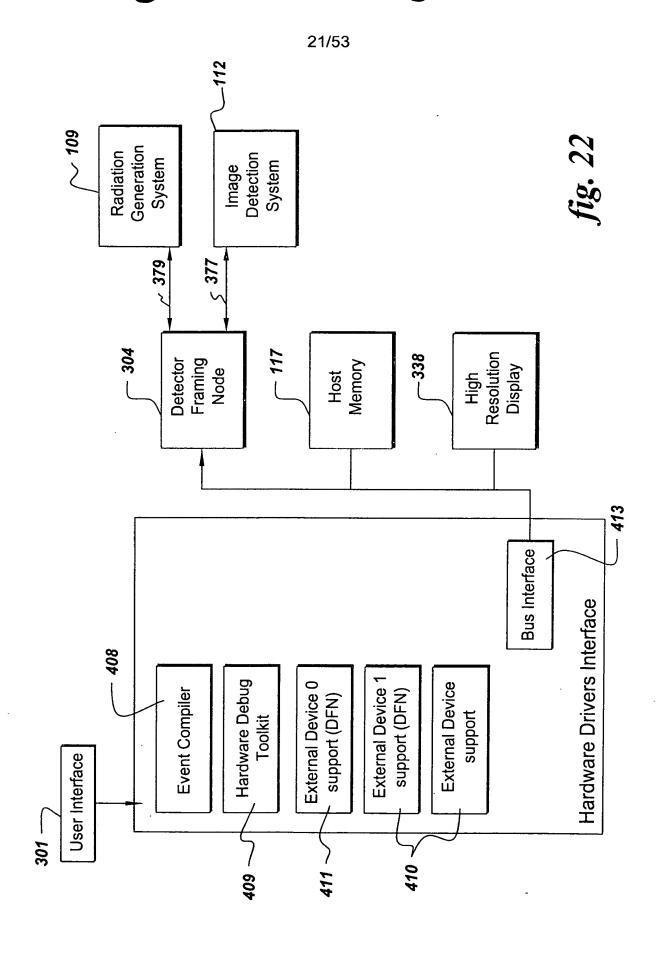


fig. 21



22/53

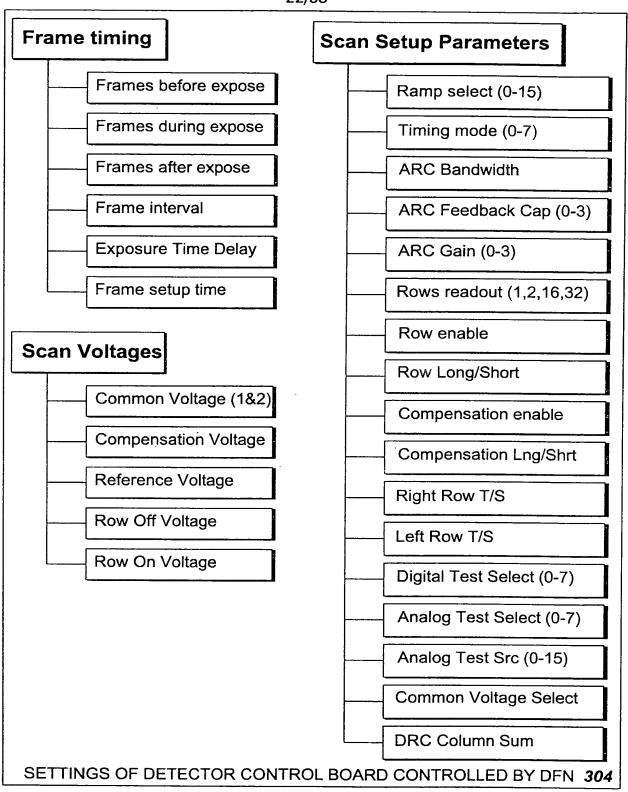


fig. 23

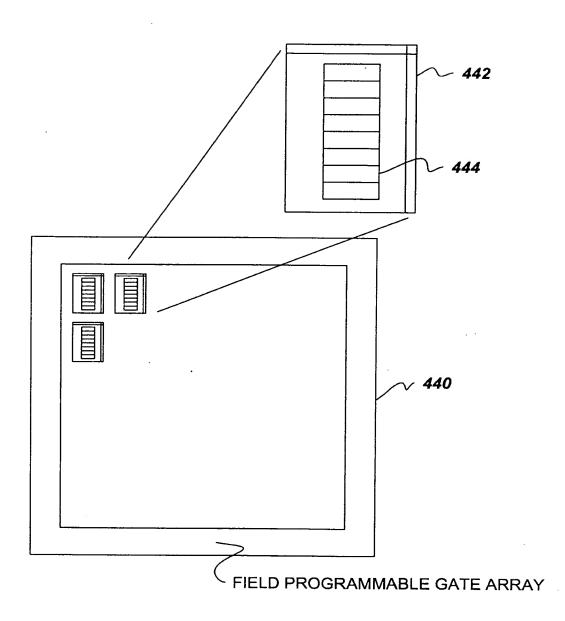
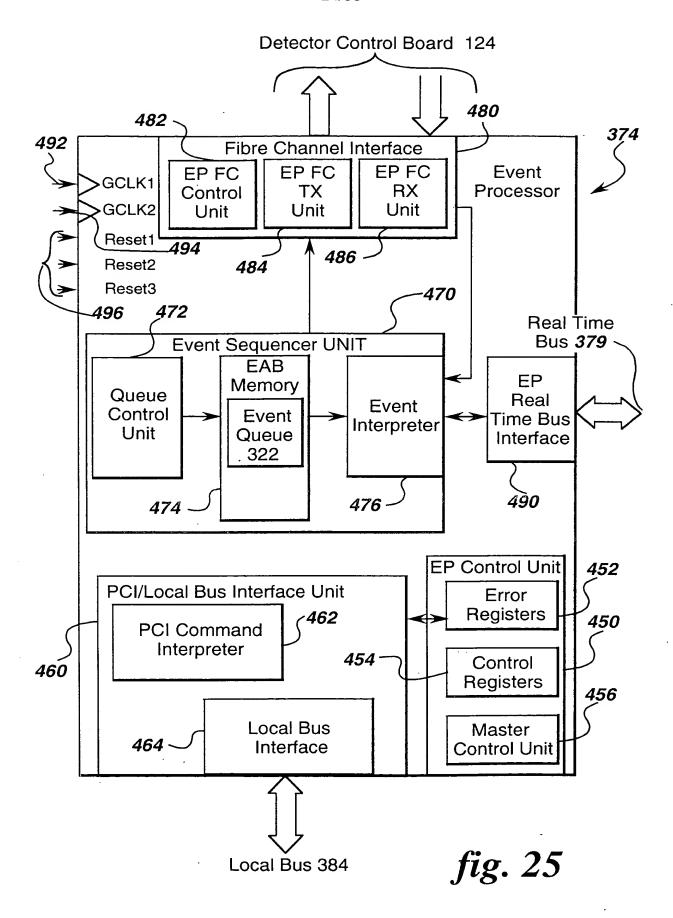
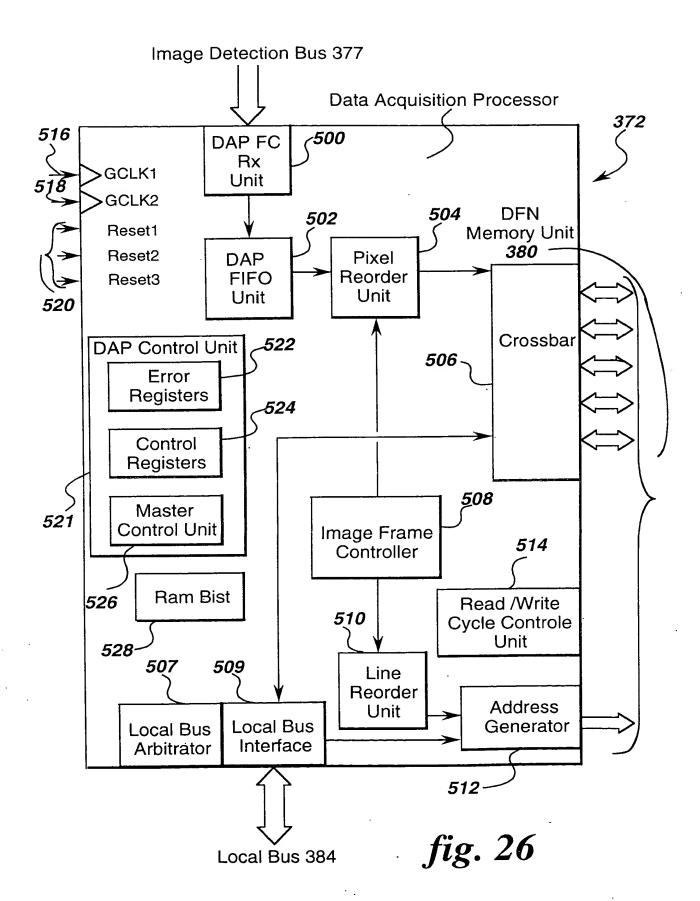


fig. 24

24/53





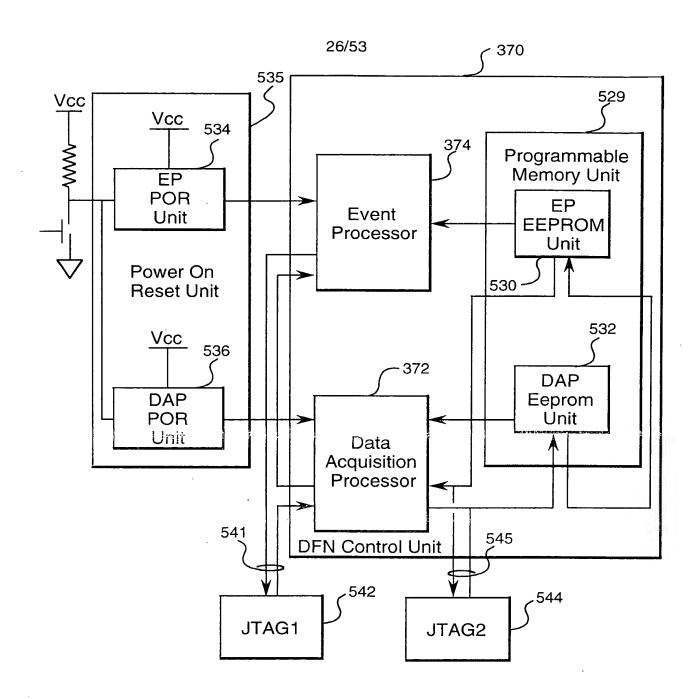
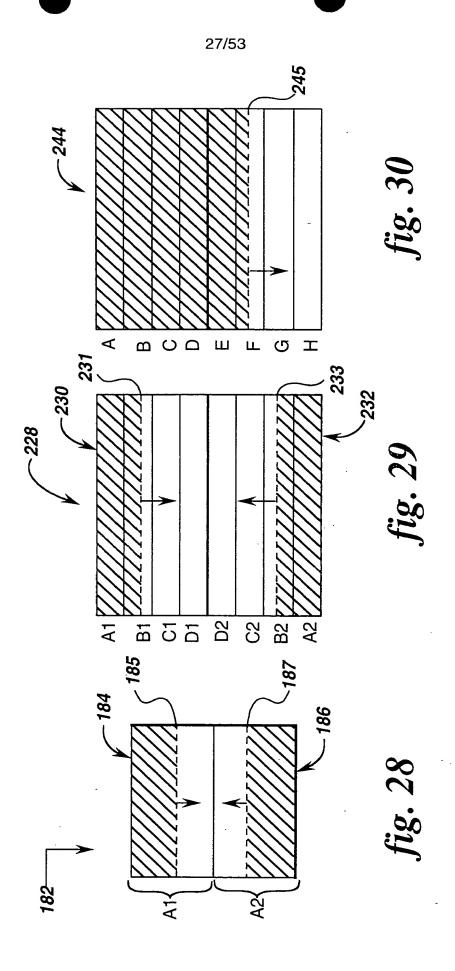


fig. 27



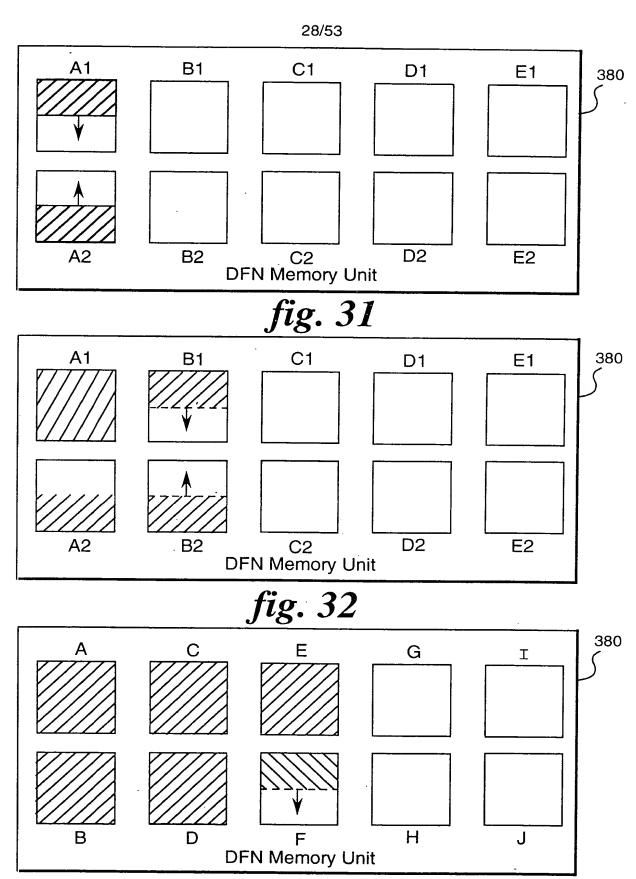
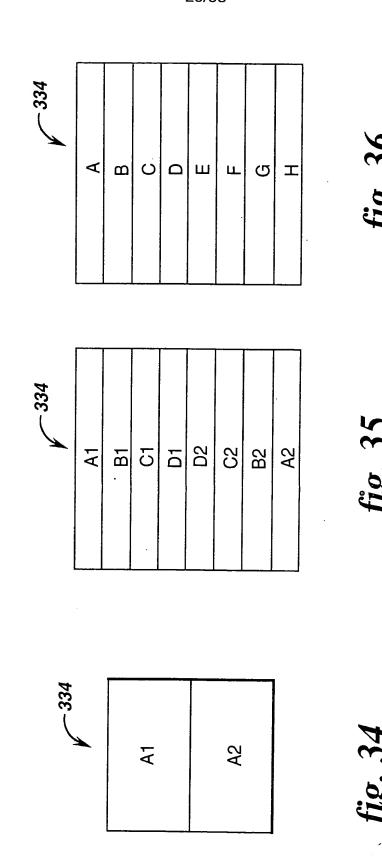


fig. 33



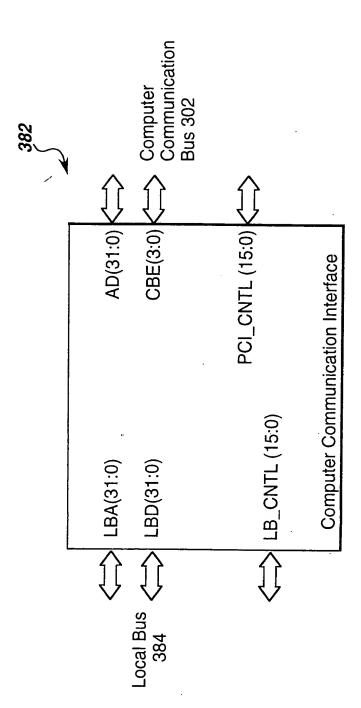
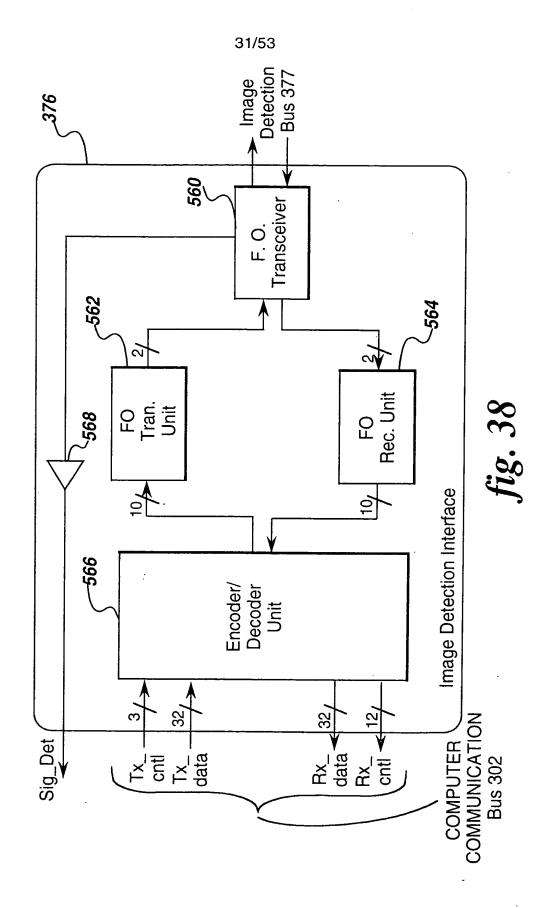
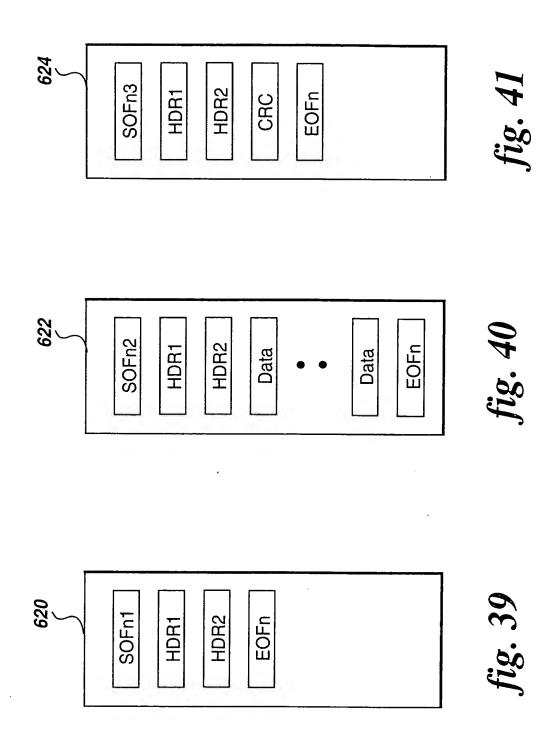


fig. 37





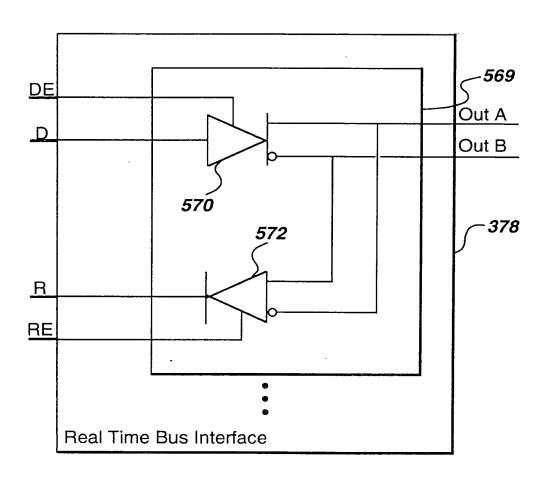
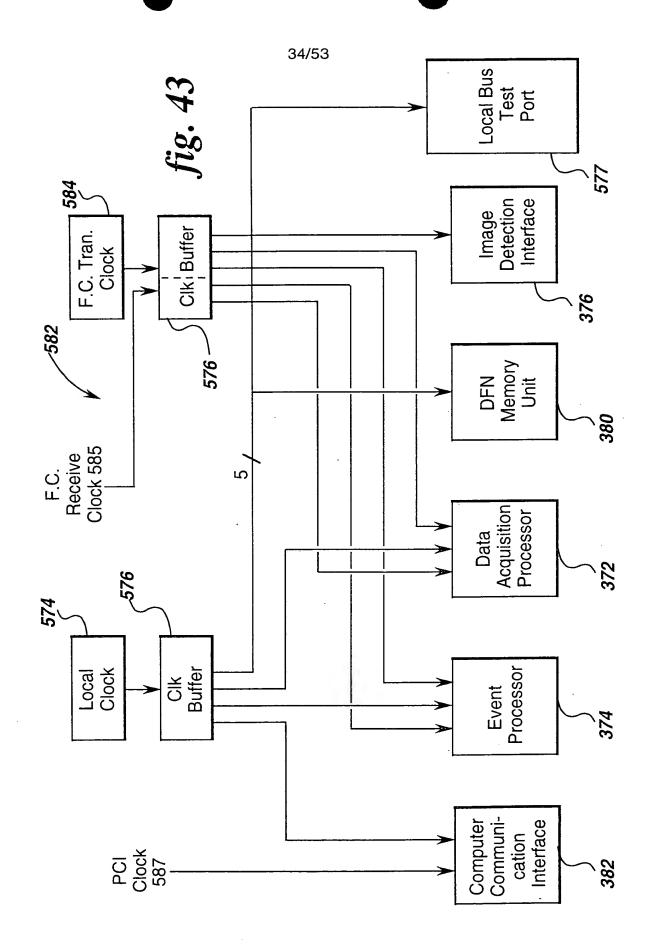
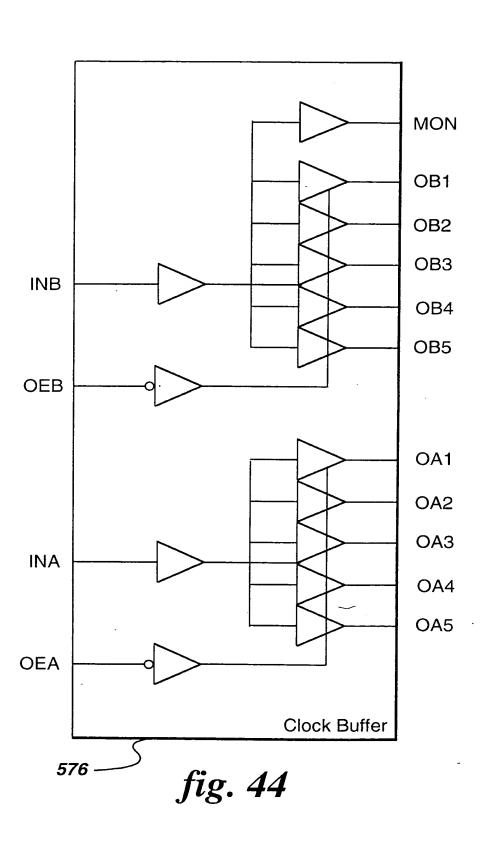
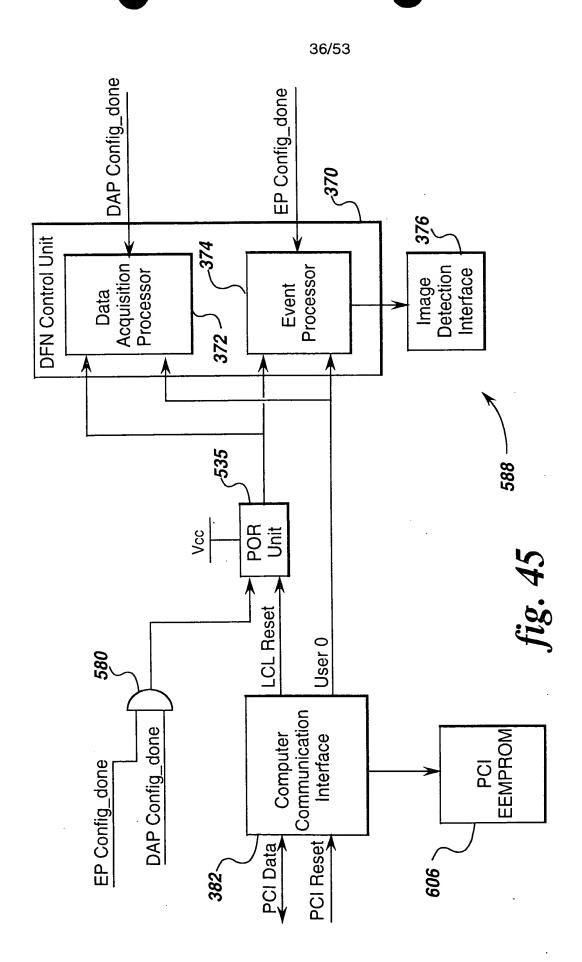


fig. 42







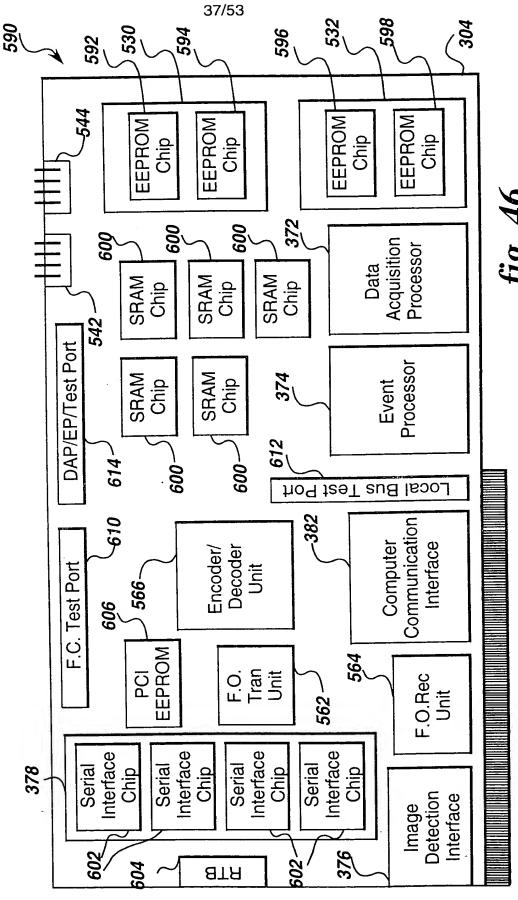
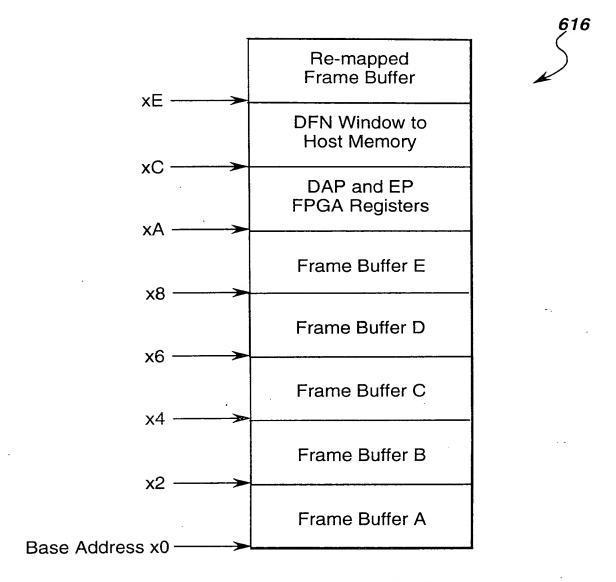
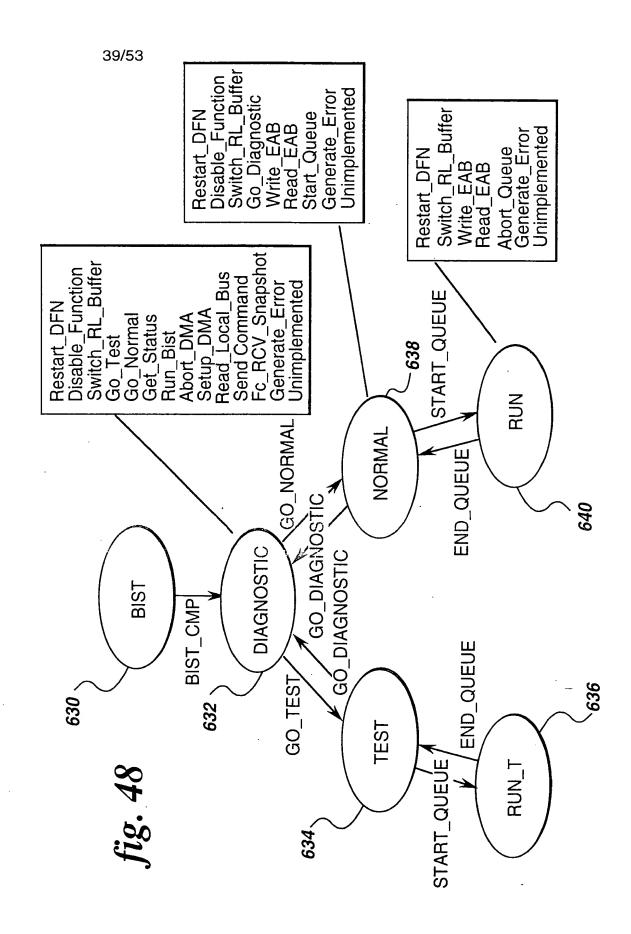


fig. 46



Mapping of 16 MByte PCI Address Space

fig. 47



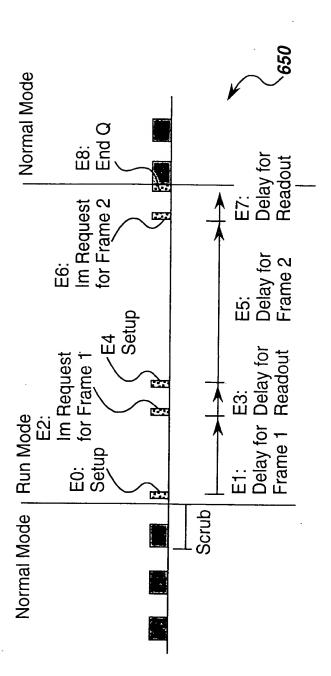


fig. 49

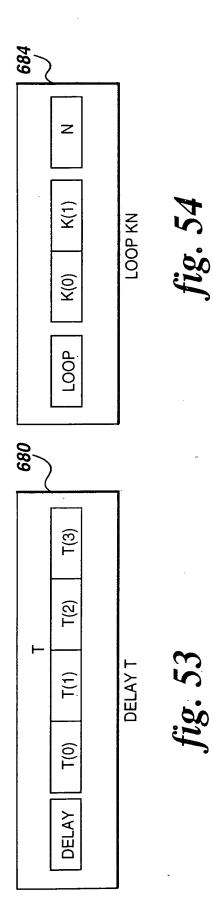
Event Mnemonic	Event (showing size of	Code	Data (bytes)	Total (bytes)	.099
	arguments)	(nex)			·
Endq	Endq	14	0	-	¥
Delay (T)	Delay (0xff ff ff ff)	10	4	5	
Send (command, value)	Send (0xff ff ff ff, 0xff ff ff ff)	04	8	6	fio 50
LoopKN (K, N)	LoopKN (0xff ff, 0xff)	00	3	4	1.8.00
LoopKF (K, F)	LoopKF (0xff ff, 0xff ff ff)	OD	5	9	
Wait (F)	Wait (0xff ff, ff)	60	3	4	
Flag (F)	Flag (0xff ff, ff)	08	3	4	

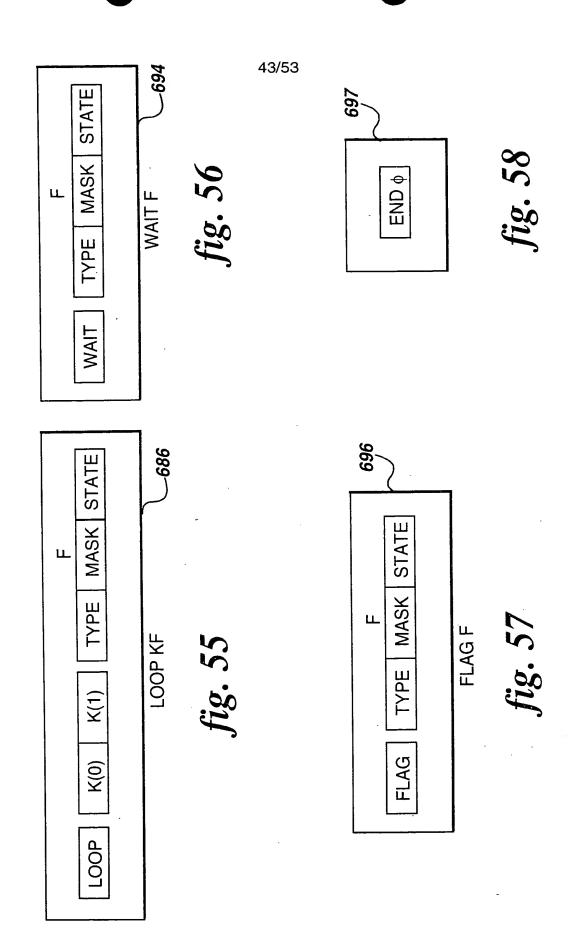
41/53

HDR2(0) | HDR2(1) | HDR2(2) | HDR2(3) **S**5 SEND HDR1(3) HDR1(1) HDR1(2) **S1** HDR1(0) SEND

1	: 1		,	672)		118.52)	-
Description of Error	Timeout Expired With No ACK Detected	ACK Did Not Match Transmitted Command	Unexpected ACK Received	New Send Event While Waiting for ACK From Previous Send	No Input Signal Power on Fibre Channel (Cable Disconnected?)	Fibre Channel Receiver Detected Bad Data (Defective Chipset?)	Fibre Channel Data Link Unsynchronized	Bad Received CRC Detected (Fiber-optic Cable Problem?)	CRXS(3) & CRXS(2) Bad Order in Link State Machine (Defective Chipset?)
Error Mnemonic	FC_TIMEOUT	FC_BAD_ACK	FC_EXTRA_ACK	FC_EXTRA_CMD	SIG_DETN	RXERROR	WRDSYNCN	CRXS(1)	CRXS(3) & CRXS(2

42/53





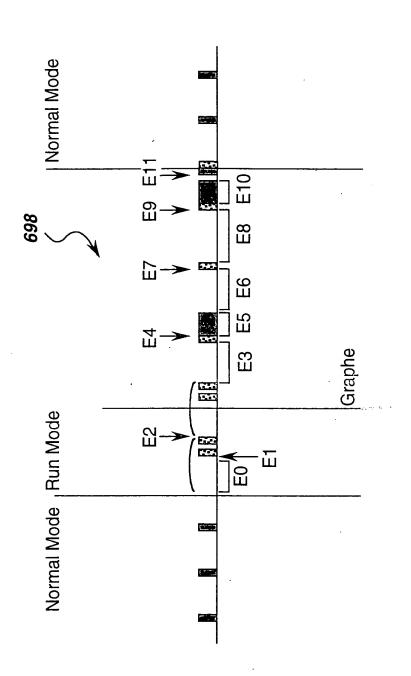


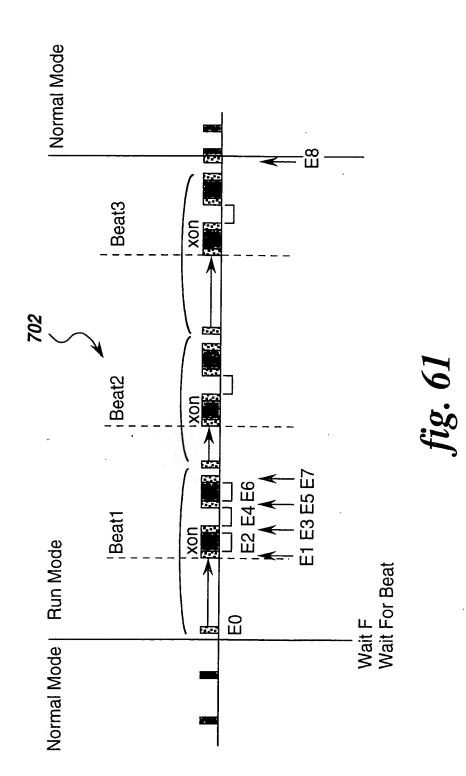
fig. 59

E11	EndQ			
E10	Delay 125 ms			
E9	Send Im Request			
E8	Delay 500 ms			
E7	Flag RT2			
E6	Delay 50 ms			
E5	Delay 125 ms			
E4	Send Im Request			
E3	Delay 300 ms			
E2	Loop 2, RT1			
E1	Send Scrub			
E0	Delay 300 ms			
•				

700

EVENT QUEUE

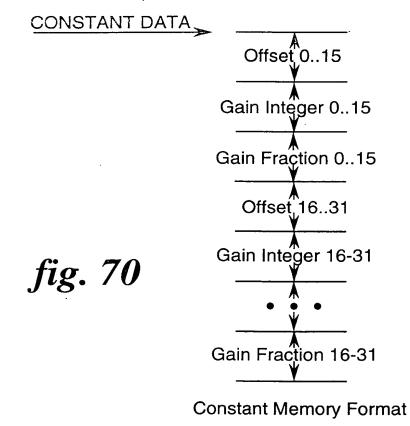
fig. 60

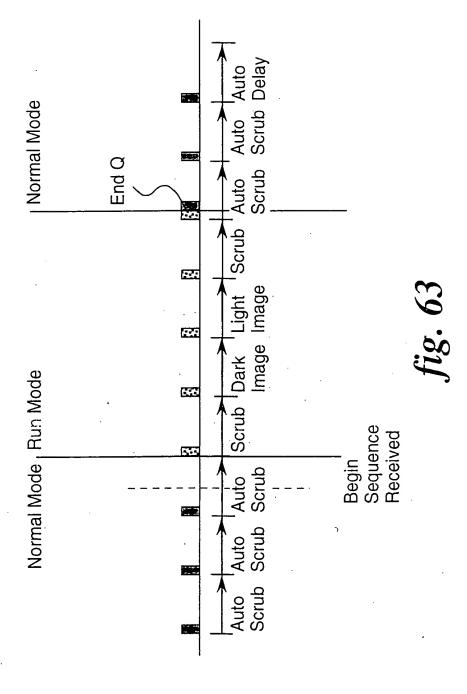


4	7	"	-	$\overline{}$
21	•	,,	~	٠.

	EndQ	
E7	LoopKF, HF1	
E6	Delay 23 ms	704
E5	Send Im Request	5
E4	Delay 10 ms	
E3	Flag RT2	
E2	Delay 23 ms	
E1	Send Scrub Request	<i>C</i> • <i>C</i> •
E0	Wait RT1	fig. 62
	The property of the second sec	

EVENT QUEUE





call frame with qv's frame_type1(NULL, \%qv1, 1); # define qv defaults: %qv1 =('delay_qv' => 5000); sequence_begin (); sednence_end();

%qv = ('delay_qv' = > [10000]); %qp = ();

\$QVf = 'frame';

sub frame

fig. 64

compile_finit ();

fig. 65 compile_init (@_,\%qp, \%qv, \$QVf); Delay('Delay_qv1');

49/53 fig. 66

> // num bytes to write // variable name // developer info // new value pDFN->DFNChangeQueueVariable (ULONG *) & Debug (char *) SymName, (char *) sndBuf, BufSize

```
fig. 67
```

fig. 68

```
sub frame_type1
{
    $HFfrm = 'frame_type1';
    %qv = ('delay_qv' = > [20000]);
    %qp = ( );
    $image_cmd = [0x800000,0x0];
    compile_init (@_,\%qp, \%qv, $HFfrm);
    Send ($image_cmd);
    Delay('delay_qv');
    LoopKF(2, 0xAAFF01);
    compile_finit();
}
```

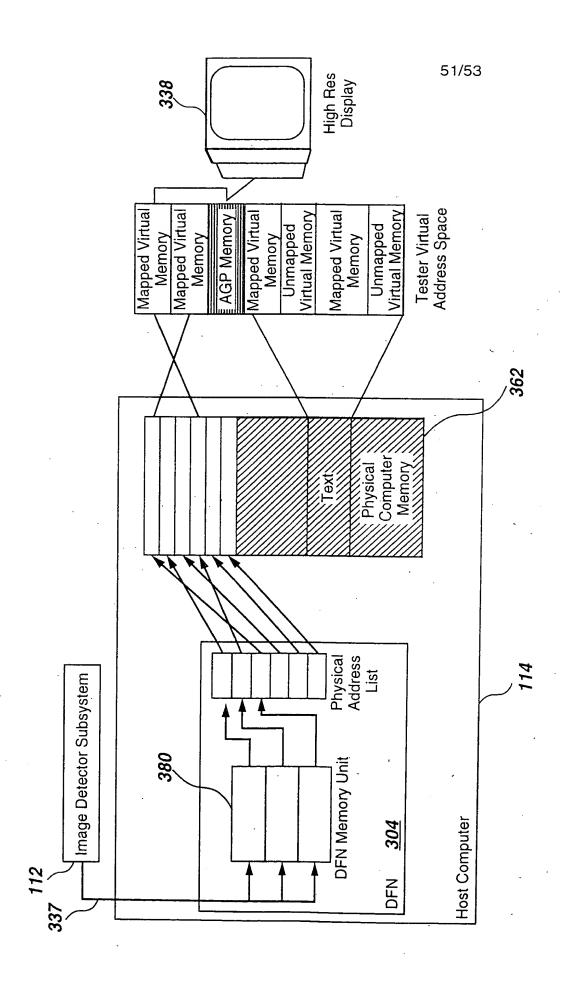
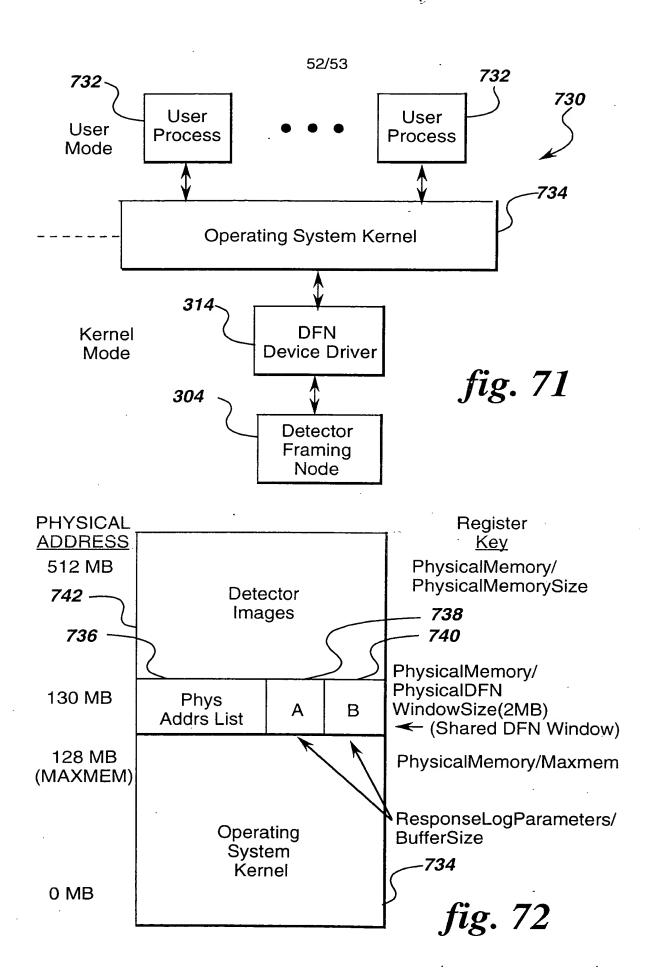


fig. 69



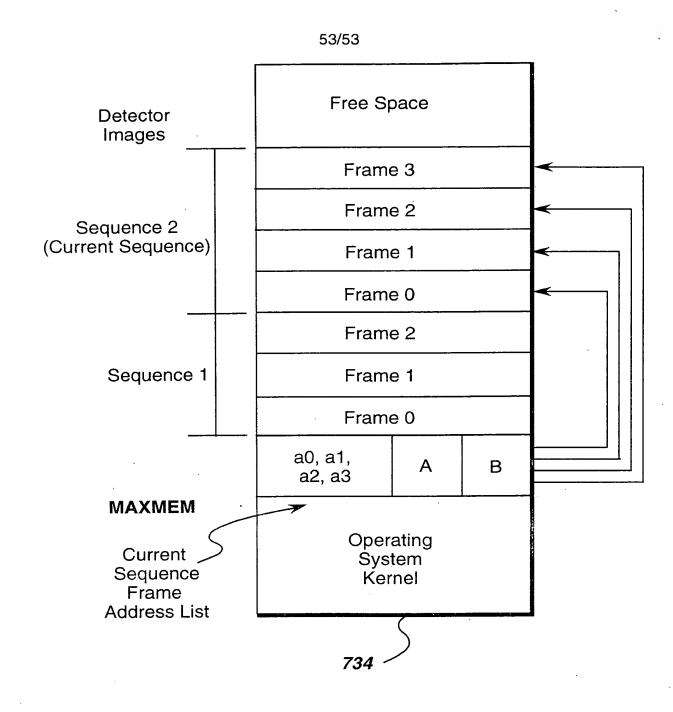


fig. 73